

22264 U.S. PTO  
10/759193  
  
012004

## APPENDIX B

### BUS SIGNAL ASSIGNMENTS

**Table 3: PC/104-Plus Bus Signal Assignments**

J3/P3				
Pin	A	B	C	D
1	GND/5.0V KEY <sup>2</sup>	Reserved		
2	+5V/I/O	AD02	AD01	+5V/I/O
3	AD05	GND	AD04	
4	C/BE0*	AD07	GND	AD06
5	(GND)	AD09	AD08	(GND)
6	AD11	+5V/I/O	AD10	M66EN
7	AD14	AD13	GND	AD12
8	+3.3V	C/BE1*	AD15	+3.3V
9	SERR*	GND	SB0*	PAR
10	GND	PERR*	+3.3V	SDONE
11	STOP*	+3.3V	LOCK*	GND
12	+3.3V	TRDY*	GND	DEVSEL*
13	FRAME*	GND	IRDY*	+3.3V
14	GND	AD16	+3.3V	C/BE2*
15	AD18	+3.3V	AD17	GND
16	AD21	AD20	GND	AD19
17	+3.3V	AD23	AD22	+3.3V
18	IDSEL0	GND	IDSEL1	IDSEL2
19	AD24	C/BE3*	+5V/I/O	IDSEL3
20	GND	AD26	AD25	GND
21	AD29	+5V/I/O	AD28	AD27
22	+5V/I/O	AD30	GND	AD31
23	REQ0*	GND	REQ1*	+5V/I/O
24	GND	REQ2*	+5V/I/O	GNT0*
25	GNT1*	+5V/I/O	GNT2*	GND
26	+5V/I/O	CLK0	GND	CLK1
27	CLK2	+5V/I/O	CLK3	GND
28	GND	INTD*	+5V/I/O	RST*
29	+5V/I/O	INTA*	INTB*	INTC*
30	+12V	Reserved	Reserved	GND/3.3V KEY <sup>2</sup>

- Notes:
1. The shaded area denotes power or ground signals.
  2. The KEY pins are to guarantee proper module installation. Pin-A1 will be removed and the female side plugged for 5.0V I/O signals and Pin-D30 will be modified in the same manner for 3.3V I/O. It is recommended that both KEY pins (A1 and D30) be electrically connected to GND for shielding.

Table 4: PC/104 Bus (Reference Only)

J2/P2			J1/P1		
Pin	Row D	Row C	Pin	Row A	Row B
0	GND	GND	1	IOCHCHK*	GND
1	MEMCS16*	SBHE*	2	SD7	RESETDRV
2	IOCS16*	LA23	3	SD6	+5V
3	IRQ10	LA22	4	SD5	IRQ9
4	IRQ11	LA21	5	SD4	-5V
5	IRQ12	LA20	6	SD3	DRQ2
6	IRQ15	LA19	7	SD2	-12V
7	IRQ14	LA18	8	SD1	ENDXFR*
8	DACK0*	LA17	9	SD0	+12V
9	DRQ0	MEMR*	10	IOCHRDY	KEY
10	DACK5*	MEMW*	11	AEN	SMEMW*
11	DRQ5	SD8	12	SA19	SMEMR*
12	DACK6*	SD9	13	SA18	IOW*
13	DRQ6	SD10	14	SA17	IOR*
14	DACK7*	SD11	15	SA16	DACK3*
15	DRQ7	SD12	16	SA15	DRQ3
16	+5V	SD13	17	SA14	DACK1*
17	MASTER*	SD14	18	SA13	DRQ1
18	GND	SD15	19	SA12	REFRESH*
19	GND	KEY	20	SA11	SYSCLK
			21	SA10	IRQ7
			22	SA9	IRQ6
			23	SA8	IRQ5
			24	SA7	IRQ4
			25	SA6	IRQ3
			26	SA5	DACK2*
			27	SA4	TC
			28	SA3	BALE
			29	SA2	+5V
			30	SA1	OSC
			31	SA0	GND
			32	GND	GND

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